

FL46300 Series

IN-LINE FLOWMETERS



M3584/0600

The FL463300 Series of in-line flowmeters offers individual, handmade quality, combined with excellent accuracy and repeatability.

These flowmeters are machined of high Quality acrylic rod stock, carefully Polished to a clear-as-glass finish. Easy To read scales are screen printed on the Meter body. Adapters are glass filled Polypropylene, and O-ring seals are Viton®.

SPECIFICATIONS

Accuracy: ±5%

Meter Construction: Acrylic body

O-ring Material: Viton®

Float: 316SS (PVC for Fl46302) Temperature Limit: 65°C (150°F) at

0 psig

Pressure Limit: 150 psig at 21°C (70°F)

Pressure Drop: 2.0 psi max.

Dimensions: FL46301-06:208 H x 32 Mm D (8-3/16 x 1-1/4"); FL46307-09: 279 H x 32mm D (11 x 1-1/4")

Weight: 680 g (1.5 lb)

INSTALLATION

- Always use Teflon® tape or similar material on pipe threads when making connections. Never use oil base pipe dopes or solvents.
- Remember you are installing an Instrument and fittings should be tightened only enough to prevent leaking. Over tightening may result in damage to the meter.
- Never hold the meter with pliers or like tools during installation.
- Install the meter in an exactly vertical plane to obtain the best possible reading.
- Whatever the installation circumstances, meter should never be allowed to support the weight of The related pipe or tubing.

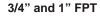
When installing the FI46300 series meters, be certain of proper pipe alignment, misalignment will put excessive stress on the meter.

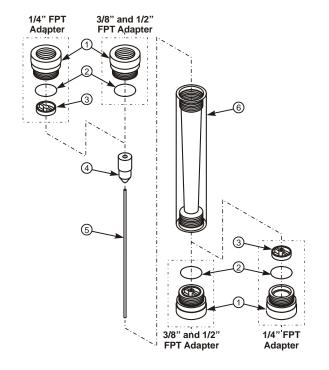
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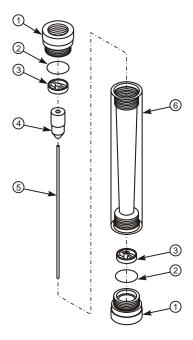
MAINTENANCE

The "Exploded View" drawings illustrate assembly of the Fl46300 series meters. If your flowmeter needs to be cleaned, refer to these drawing when reassembling the unit. The tapered tube may be cleaned with a soft bottle brush. Use a **MILD** soap and water solution for cleaning purpose.

1/4", 3/8" and 1/2" FPT







Parts

- 1. Adapters (2)
- 2. "O" Ring Seal (2)
- 3. Wire Holder (2)*
- 4. Float (1)*
- 5. Guide Wire (1)
- 6. Meter Body (1)*
- *Parts not available need to buy a new unit.

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certification.

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WARNING: These products are not designed for use in, and should not be used for, patent-connected applications.

MADE

Mexico:

USA:

ISO 9001 Certified

USA and Canada:

Canada:

WARRANTY/DISCLAIMER

OMEGA warrants this unit to be free of defects in materials and workmanship and to give satisfactory service for a period of 13 months from date of purchase. OMEGA Warranty adds an additional one (1)month grace period to the normal one (1) year product warranty to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product. If the unit should malfunction, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Úpon examination by OMEGA, if the unit is found to be defective it will be repaired or replaced at no charge. However, this WARRANTY is void if the unit shows evidence of having been tampered with or shows evidence of being damaged as a result of excessive corrosion; or current, heat, moisture, or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components which wear or which are damaged by misuse are not warranted. These include contact points, fuses, and triacs.

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> FOR WARRANTY RETURNS, please have The following information available Before contacting OMEGA:

- 1. P.O. number under which the product was PURCHASED.
- 2. Model and serial number of the product under warranty, and
- 3. Repair instructions and/or specific Problems relative to the Product

FOR NON WARRANTY REPAIRS OR CALIBRATION, consult OMEGA for current repair/calibration charges. Have the following information available before contacting OMEGA:

- 1. P.O. Number to cover the COST of the repair/calibration,
- 2. Model and serial number of product,
- 3. Repair instructions and/or specific Problems relative to the product.

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